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(71) Applicant: SONY CORP

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(54) PORTABLE ELECTRONIC EQUIPMENT

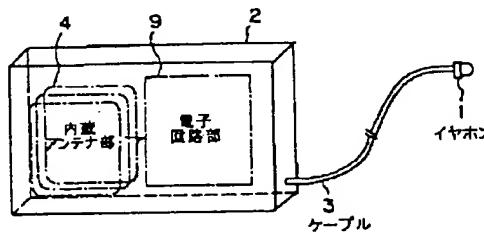
processing part and sent out of the cable 3.

(57) Abstract:

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**PROBLEM TO BE SOLVED:** To satisfy the sensitivity of electromagnetic wave transmission/ reception between a wireless IC card and an information reader by using a cable part, with which an earphone part and a main body part are connected, for transmitting/receiving electromagnetic waves for the wireless IC card.

**SOLUTION:** The degradation in reception sensitivity is complemented by exchanging the data of the non-contact wireless IC card with an automatic ticket examination machine while using a cable 3. The portable radio equipment uses the cable 3, with which an earphone 1 and a main body part 2 are connected, also as an antenna. When the earphone 1 is mounted, the data are exchanged with the automatic ticket examination machine by using the cable 3 but when the earphone 1 is not mounted, data are exchanged with the automatic ticket examination machine by using a built-in antenna 4. When the earphone 1 is mounted, radio waves transmitted from the automatic ticket examination machine are received by the cable 3 and decoded by a signal processing part. Corresponding to this information, data such as a ticket receiving record in a memory are modulated by the





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(72) Inventor: HAGIO ATSUSHI

(54) PORTABLE TERMINAL FOR INTRA-TRAIN  
ADJUSTMENT

(57) Abstract:

**PURPOSE:** To provide a portable terminal for intra-train adjustment capable of issuing the magnetic tickets that can be used for automatic ticket checking machine.

CONSTITUTION: This terminal is carried by a conductor to issue the tickets and to perform the adjustment of fares in a train. This terminal is provided with a magnetic head 8 which has a magnetic recording part and can read and write the printable information on the magnetic tickets, and a thermal head 9 which can print characters on the heat-sensitive surface of every magnetic ticket. Then an auxiliary storage 24 of the portable terminal stores the results data on the intra-train adjustment as well as the basic data needed for the intra-train adjustment such as the line master, station master, business distance master, super-express/express fare master, series (reserved seat fare) master. The basic master stored in the storage 24 can be rewritten through the communication with a host computer. Furthermore, a communication controller 27 is added to transmit the results data on the intra-train

adjustment stored in the storage 24 to the host computer.

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